

IN THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1-19. (Canceled)

20 (Previously Presented). A method of manufacturing a display device comprising:

providing a first evaporation source in a first evaporation chamber;

providing a second evaporation source in a second evaporation chamber wherein said first and second evaporation chambers are connected with each other through at least one gate and each of the first and second evaporation sources has a first direction and a second direction different from each other, each of the first and second evaporation sources being longer in the first direction than in the second direction;

disposing a substrate in the first evaporation chamber;

evaporating a first material comprising an organic electroluminescence material from said first evaporation source to deposit said first material over the substrate wherein the relative position of the substrate is repeatedly moved with respect to the first evaporation source during the evaporation of the first material in order that a same portion of the substrate is coated with the organic electroluminescence material at least twice;

transferring the substrate from the first evaporation chamber into the second evaporation chamber after the deposition of the first material;

evaporating a second material from said second evaporation source to deposit said second material over the substrate wherein the relative position of the substrate is moved with respect to the second evaporation source during the evaporation of the second material.

21. (Previously Presented). The method according to claim 20 further comprising a step of cleaning an inside of the first and second evaporation chambers, respectively.

22. (Previously Presented) The method according to claim 20 wherein said first and second evaporation chambers are connected to each other through a conveyor chamber.

23-36. (Canceled)

37 (Previously Presented). A method of manufacturing a display device comprising:

providing a first evaporation source in an evaporation chamber;

providing a second evaporation source in a second chamber connected to the evaporation chamber wherein each of the first and second evaporation sources has a first direction and a second direction different from each other, each of the first and second evaporation sources being longer in the first direction than in the second direction;

disposing a substrate in the evaporation chamber;

evaporating a first material comprising an organic electroluminescence material from said first evaporation source to deposit said first material over the substrate;

transferring the second evaporation source from the second chamber into the evaporation chamber after evaporating the first material;

evaporating a second material from said second evaporation source to deposit said second material over the substrate in the evaporation chamber;

repeatedly moving the relative position of the first evaporation source with respect to the substrate along the second direction during the step of evaporating the first material in order that a same portion of the substrate is coated with the organic electroluminescence material at least twice; and

moving the relative position of the second evaporation source with respect to the substrate along the second direction during the step of evaporating the second material.

38 (Previously Presented). A method of manufacturing a display device comprising:

- providing a first evaporation source in an evaporation chamber;
- providing a second evaporation source in a second chamber connected to the evaporation chamber wherein each of the first and second evaporation sources has a first direction and a second direction different from each other, each of the first and second evaporation sources being longer in the first direction than in the second direction;
- disposing a substrate in the evaporation chamber;
- evaporating a first material comprising an organic electroluminescence material from said first evaporation source to deposit said first material over the substrate;
- transferring the second evaporation source from the second chamber into the evaporation chamber after evaporating the first material;
- evaporating a second material from said second evaporation source to deposit said second material over the substrate in the evaporation chamber;
- repeatedly moving the relative position of the first evaporation source with respect to the substrate along the second direction during the step of evaporating the first material in order that

a same portion of the substrate is coated with the organic electroluminescence material at least twice; and

moving the relative position of the second evaporation source with respect to the substrate along the second direction during the step of evaporating the second material,

wherein each of the first and second evaporation sources is longer than at least one edge of the substrate.

39. (Previously presented) A method of manufacturing a display device comprising:

providing a first evaporation source in an evaporation chamber wherein the first evaporation source comprises a plurality of first evaporation cells arranged along a first direction;

providing a second evaporation source in a second chamber connected to the evaporation chamber wherein the second evaporation source comprises a plurality of second evaporation cells;

disposing a substrate in the evaporation chamber;

evaporating a first material comprising an organic electroluminescence material from said first evaporation source to deposit said first material over the substrate;

transferring the second evaporation source from the second chamber into the evaporation chamber after evaporating the first material so that the plurality of second evaporation cells are arranged in the first direction;

evaporating a second material from said second evaporation source to deposit said second material over the substrate in the evaporation chamber;

repeatedly moving the relative position of the first evaporation source with respect to the substrate along a second direction during the step of evaporating the first material in order that a same portion of the substrate is coated with the organic electroluminescence material at least twice;

moving the relative position of the second evaporation source with respect to the substrate along the second direction during the step of evaporating the second material; and
cleaning an inside of the evaporation chamber.

40. (Previously presented) A method of manufacturing a display device comprising:

providing a first evaporation source in an evaporation chamber wherein the first evaporation source comprises a plurality of first evaporation cells arranged along a first direction;

providing a second evaporation source in a second chamber connected to the evaporation chamber wherein the second evaporation source comprises a plurality of second evaporation cells;

disposing a substrate in the evaporation chamber;

evaporating a first material comprising an organic electroluminescence material from said first evaporation source to deposit said first material over the substrate;

transferring the second evaporation source from the second chamber into the evaporation chamber after evaporating the first material so that the plurality of second evaporation cells are arranged in the first direction;

evaporating a second material from said second evaporation source to deposit said second material over the substrate in the evaporation chamber;

repeatedly moving the relative position of the first evaporation source with respect to the substrate along a second direction during the step of evaporating the first material in order that a same portion of the substrate is coated with the organic electroluminescence material at least twice;

moving the relative position of the second evaporation source with respect to the substrate along the second direction during the step of evaporating the second material; and

cleaning an inside of the evaporation chamber,

wherein each of the first and second evaporation sources is longer than at least one edge of the substrate.

41. (Canceled)

42. (Canceled)

43. (Previously presented) The method according to claim 37 wherein said second direction is orthogonal to the first direction.

44. (Previously Presented) The method according to claim 20 wherein the relative position of the first evaporation source is moved with respect to the substrate in a direction orthogonal to an elongation direction of the first evaporation source.

45. (Previously Presented) The method according to claim 20 wherein the relative position of the second evaporation source is moved with respect to the substrate in a direction orthogonal to an elongation direction of the second evaporation source.

46-47. (Canceled)

48. (Previously Presented) The method according to any one of claims 20 and 37-40 wherein at least one of the first and second materials is an organic material.

49. (Previously presented) The method according to claim 20 wherein said display device is an active matrix electroluminescence display device.

50-52. (Canceled)

53. (Previously Presented) The method according to any one of claims 37 and 39 wherein the relative position of the first evaporation source is repeatedly moved with respect to the substrate so that a same portion of the substrate is coated with the first material at least twice.

54. (Previously presented) A method of manufacturing a display device comprising:

providing a first evaporation source in an evaporation chamber;

providing a second evaporation source in a second chamber connected to the evaporation chamber wherein each of the first and second evaporation sources has a first direction and a

second direction different from each other, each of the first and second evaporation sources being longer in the first direction than in the second direction;

disposing a substrate in the evaporation chamber;

evaporating a first material comprising an organic electroluminescence material from said first evaporation source to deposit said first material over the substrate;

transferring the second evaporation source from the second chamber into the evaporation chamber after evaporating the first material;

evaporating a second material from said second evaporation source to deposit said second material over the substrate in the evaporation chamber;

repeatedly moving the relative position of the first evaporation source with respect to the substrate along the second direction during the step of evaporating the first material in order that a same portion of the substrate is coated with the organic electroluminescence material at least twice;

moving the relative position of the second evaporation source with respect to the substrate along the second direction during the step of evaporating the second material; and

cleaning an inside of the evaporation chamber.

55. (Previously presented) A method of manufacturing a display device comprising:

providing a first evaporation source in an evaporation chamber;

providing a second evaporation source in a second chamber connected to the evaporation chamber wherein each of the first and second evaporation sources has a first direction and a second direction different from each other, each of the first and second evaporation sources being longer in the first direction than in the second direction;

disposing a substrate in the evaporation chamber;

evaporating a first material comprising an organic electroluminescence material from said first evaporation source to deposit said first material over the substrate;

transferring the second evaporation source from the second chamber into the evaporation chamber after evaporating the first material;

evaporating a second material from said second evaporation source to deposit said second material over the substrate in the evaporation chamber;

repeatedly moving the relative position of the first evaporation source with respect to the substrate along the second direction during the step of evaporating the first material in order that a same portion of the substrate is coated with the organic electroluminescence material at least twice;

moving the relative position of the second evaporation source with respect to the substrate along the second direction during the step of evaporating the second material; and

cleaning an inside of the evaporation chamber,

wherein each of the first and second evaporation sources is longer than at least one edge of the substrate.

56. (Previously presented) The method according to claim 38 wherein said second direction is orthogonal to the first direction.

57. (Previously presented) The method according to claim 39 wherein said second direction is orthogonal to the first direction.

58. (Previously presented) The method according to claim 40 wherein said second direction is orthogonal to the first direction.

59. (Previously presented) The method according to claim 37 wherein said display device is an active matrix electroluminescence display device.

60. (Previously presented) The method according to claim 38 wherein said display device is an active matrix electroluminescence display device.

61. (Previously presented) The method according to claim 39 wherein said display device is an active matrix electroluminescence display device.

62. (Previously presented) The method according to claim 40 wherein said display device is an active matrix electroluminescence display device.

63 (New). The method according to claim 20 wherein uniformity of the distribution of film thickness of a thin film in a rectangular shape, elliptical shape, or a linear shape region is maintained by using the first evaporation source during the evaporation.

64 (New). The method according to claim 37 wherein uniformity of the distribution of film thickness of a thin film in a rectangular shape, elliptical shape, or a linear shape region is maintained by using the first evaporation source during the evaporation.

65. (New) The method according to claim 38 wherein uniformity of the distribution of film thickness of a thin film in a rectangular shape, elliptical shape, or a linear shape region is maintained by using the first evaporation source during the evaporation.

66 (New). The method according to claim 39 wherein uniformity of the distribution of film thickness of a thin film in a rectangular shape, elliptical shape, or a linear shape region is maintained by using the first evaporation source during the evaporation.

67 (New) The method according to claim 40 wherein uniformity of the distribution of film thickness of a thin film in a rectangular shape, elliptical shape, or a linear shape region is maintained by using the first evaporation source during the evaporation.

68 (New). The method according to claim 54 wherein uniformity of the distribution of film thickness of a thin film in a rectangular shape, elliptical shape, or a linear shape region is maintained by using the first evaporation source during the evaporation.